ABSTRACT OF DISCLOSURE

An optical space transmission device comprises a light source for emitting a light beam modulated according to a signal to be transmitted, an optical system for sending out the light beam emitted from the light source as transmission light beam with an angle of expansion, a temperature detector for detecting the internal temperature of the device, and a control means for changing the angle of expansion of the transmission light beam as a function of the temperature detected by the temperature detector. Typically the optical space transmission device further comprises a light receiving means for converting the light beam carrying reception signal transmitted from a partner device and taken into the own device into an electric signal and an angle correcting means for correcting the angular displacement between the light beam to be transmitted and the received light beam.